

Luminaire Property

Luminaire: RH-RPL06-6W 3000K

Report NO.:

Test NO.: HLB230320

Lamp:

Sum Lumens: 439.04 lm

Number of Lamps: 1

Diameter: 120mm

Length: mm

Photometric Type: Type C

Voltage: 229.9 V

Current: 0.029 A

Power: 6.0 W

Power Factor: 0.889

Ballast Type: EMC4-7x1W 300mA

Width: 120mm

Height: 25mm

Remark: SMD2835 5B6C

Photometric Results

Lumens: 439.04 lm

Efficiency: 73.1733 lm/W

Central Intensity: 180.747cd

Maximum Intensity: 181.689cd

Beam Angle(10%): Left: -74.9 Right:70.9

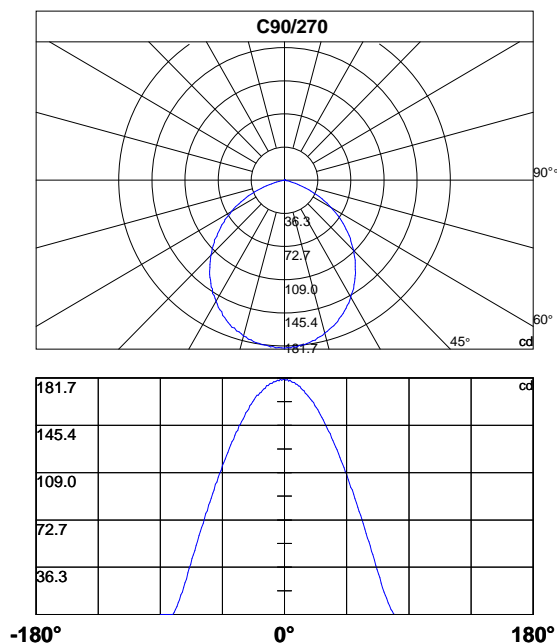
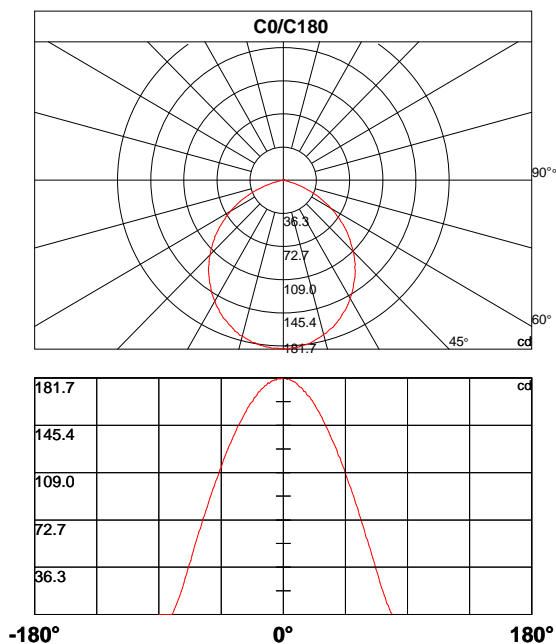
Angle of maximum intensity: C:0.0 G:1.0

Half Peak Side Angle(50%): Left: -53.6 Right:50.0

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%



Photometric Data Table [cd]

C\G	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	180.7	181.7	181.4	180.5	181.2	180.4	179.8	179.0	178.8	178.4
45.0	180.7	180.1	180.6	179.3	180.0	178.7	178.4	178.2	177.1	176.8
90.0	180.7	180.1	180.6	179.3	180.0	178.7	178.4	178.2	177.1	176.8
135.0	180.7	181.6	181.0	181.0	181.1	180.2	180.4	179.7	179.4	178.8
180.0	180.7	181.6	181.0	181.0	181.1	180.2	180.4	179.7	179.4	178.8
225.0	180.7	180.4	180.2	180.6	179.5	180.1	179.2	178.7	178.7	177.5
270.0	180.7	180.4	180.2	180.6	179.5	180.1	179.2	178.7	178.7	177.5
315.0	180.7	181.7	181.4	180.5	181.2	180.4	179.8	179.0	178.8	178.4
360.0	180.7	181.7	181.4	180.5	181.2	180.4	179.8	179.0	178.8	178.4

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	177.0	175.9	174.8	174.3	173.3	171.5	171.2	169.1	167.9	167.4
45.0	175.6	175.5	173.7	172.7	171.9	170.0	169.3	167.6	166.5	165.4
90.0	175.6	175.5	173.7	172.7	171.9	170.0	169.3	167.6	166.5	165.4
135.0	177.7	178.0	176.3	175.8	174.7	173.6	173.2	171.3	170.9	168.8
180.0	177.7	178.0	176.3	175.8	174.7	173.6	173.2	171.3	170.9	168.8
225.0	177.7	176.9	175.7	175.8	173.8	173.5	172.0	170.6	170.3	168.3
270.0	177.7	176.9	175.7	175.8	173.8	173.5	172.0	170.6	170.3	168.3
315.0	177.0	175.9	174.8	174.3	173.3	171.5	171.2	169.1	167.9	167.4
360.0	177.0	175.9	174.8	174.3	173.3	171.5	171.2	169.1	167.9	167.4

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	165.6	164.1	162.4	160.7	158.5	156.7	155.6	153.3	151.2	148.8
45.0	164.0	162.9	160.5	159.0	157.3	155.4	153.5	151.1	149.6	147.4
90.0	164.0	162.9	160.5	159.0	157.3	155.4	153.5	151.1	149.6	147.4
135.0	167.3	166.5	164.2	163.2	161.9	159.7	158.5	155.6	154.3	152.3
180.0	167.3	166.5	164.2	163.2	161.9	159.7	158.5	155.6	154.3	152.3
225.0	168.6	166.7	165.1	163.5	161.8	160.6	157.6	156.4	154.9	152.1
270.0	168.6	166.7	165.1	163.5	161.8	160.6	157.6	156.4	154.9	152.1
315.0	165.6	164.1	162.4	160.7	158.5	156.7	155.6	153.3	151.2	148.8
360.0	165.6	164.1	162.4	160.7	158.5	156.7	155.6	153.3	151.2	148.8

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	147.0	144.7	142.3	140.1	137.7	134.8	132.9	130.7	128.1	125.7
45.0	144.9	142.8	140.7	139.0	135.9	133.7	131.0	128.6	126.7	123.4
90.0	144.9	142.8	140.7	139.0	135.9	133.7	131.0	128.6	126.7	123.4
135.0	149.7	148.1	146.2	144.4	141.6	138.7	137.1	134.5	131.9	129.9
180.0	149.7	148.1	146.2	144.4	141.6	138.7	137.1	134.5	131.9	129.9
225.0	150.3	148.3	146.1	145.2	141.3	140.3	137.6	134.5	132.9	130.2
270.0	150.3	148.3	146.1	145.2	141.3	140.3	137.6	134.5	132.9	130.2
315.0	147.0	144.7	142.3	140.1	137.7	134.8	132.9	130.7	128.1	125.7
360.0	147.0	144.7	142.3	140.1	137.7	134.8	132.9	130.7	128.1	125.7

Photometric Data Table [cd]

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	122.0	120.4	117.1	114.6	111.9	108.3	105.5	101.9	99.2	97.0
45.0	120.7	118.1	115.8	112.8	109.6	107.7	103.8	100.8	97.7	95.6
90.0	120.7	118.1	115.8	112.8	109.6	107.7	103.8	100.8	97.7	95.6
135.0	127.3	124.9	121.7	119.3	116.4	112.9	110.9	107.2	104.4	102.1
180.0	127.3	124.9	121.7	119.3	116.4	112.9	110.9	107.2	104.4	102.1
225.0	127.8	124.5	122.3	119.6	116.6	114.4	110.8	108.3	105.4	101.8
270.0	127.8	124.5	122.3	119.6	116.6	114.4	110.8	108.3	105.4	101.8
315.0	122.0	120.4	117.1	114.6	111.9	108.3	105.5	101.9	99.2	97.0
360.0	122.0	120.4	117.1	114.6	111.9	108.3	105.5	101.9	99.2	97.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	92.9	90.8	87.1	84.0	81.1	76.8	74.4	70.0	67.4	63.9
45.0	92.4	88.9	85.6	82.3	79.3	76.1	73.0	69.9	65.7	62.3
90.0	92.4	88.9	85.6	82.3	79.3	76.1	73.0	69.9	65.7	62.3
135.0	98.5	96.4	92.4	89.7	86.5	82.5	80.1	76.2	73.8	69.6
180.0	98.5	96.4	92.4	89.7	86.5	82.5	80.1	76.2	73.8	69.6
225.0	100.1	95.5	93.1	89.4	86.2	84.1	79.6	77.8	73.7	69.8
270.0	100.1	95.5	93.1	89.4	86.2	84.1	79.6	77.8	73.7	69.8
315.0	92.9	90.8	87.1	84.0	81.1	76.8	74.4	70.0	67.4	63.9
360.0	92.9	90.8	87.1	84.0	81.1	76.8	74.4	70.0	67.4	63.9

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	59.6	57.4	53.4	49.9	46.3	42.9	39.5	35.1	32.3	28.3
45.0	58.7	55.7	52.6	48.4	46.0	41.7	37.8	34.8	31.0	28.3
90.0	58.7	55.7	52.6	48.4	46.0	41.7	37.8	34.8	31.0	28.3
135.0	66.2	63.4	59.7	56.6	53.0	48.8	45.7	41.3	38.7	35.3
180.0	66.2	63.4	59.7	56.6	53.0	48.8	45.7	41.3	38.7	35.3
225.0	66.8	63.7	60.7	56.2	53.1	49.2	45.7	43.1	38.5	35.4
270.0	66.8	63.7	60.7	56.2	53.1	49.2	45.7	43.1	38.5	35.4
315.0	59.6	57.4	53.4	49.9	46.3	42.9	39.5	35.1	32.3	28.3
360.0	59.6	57.4	53.4	49.9	46.3	42.9	39.5	35.1	32.3	28.3

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	24.3	21.2	17.9	15.0	12.5	8.6	6.8	3.9	1.5	0.0
45.0	24.0	20.7	17.3	14.8	12.5	8.7	6.9	3.6	2.4	0.3
90.0	24.0	20.7	17.3	14.8	12.5	8.7	6.9	3.6	2.4	0.3
135.0	31.2	27.9	23.8	20.3	17.8	13.9	11.6	8.3	5.8	3.5
180.0	31.2	27.9	23.8	20.3	17.8	13.9	11.6	8.3	5.8	3.5
225.0	32.0	27.2	24.2	21.0	17.3	15.1	11.3	9.2	6.2	3.7
270.0	32.0	27.2	24.2	21.0	17.3	15.1	11.3	9.2	6.2	3.7
315.0	24.3	21.2	17.9	15.0	12.5	8.6	6.8	3.9	1.5	0.0
360.0	24.3	21.2	17.9	15.0	12.5	8.6	6.8	3.9	1.5	0.0

Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
225.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

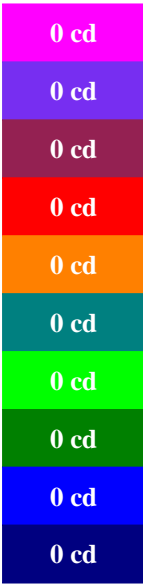
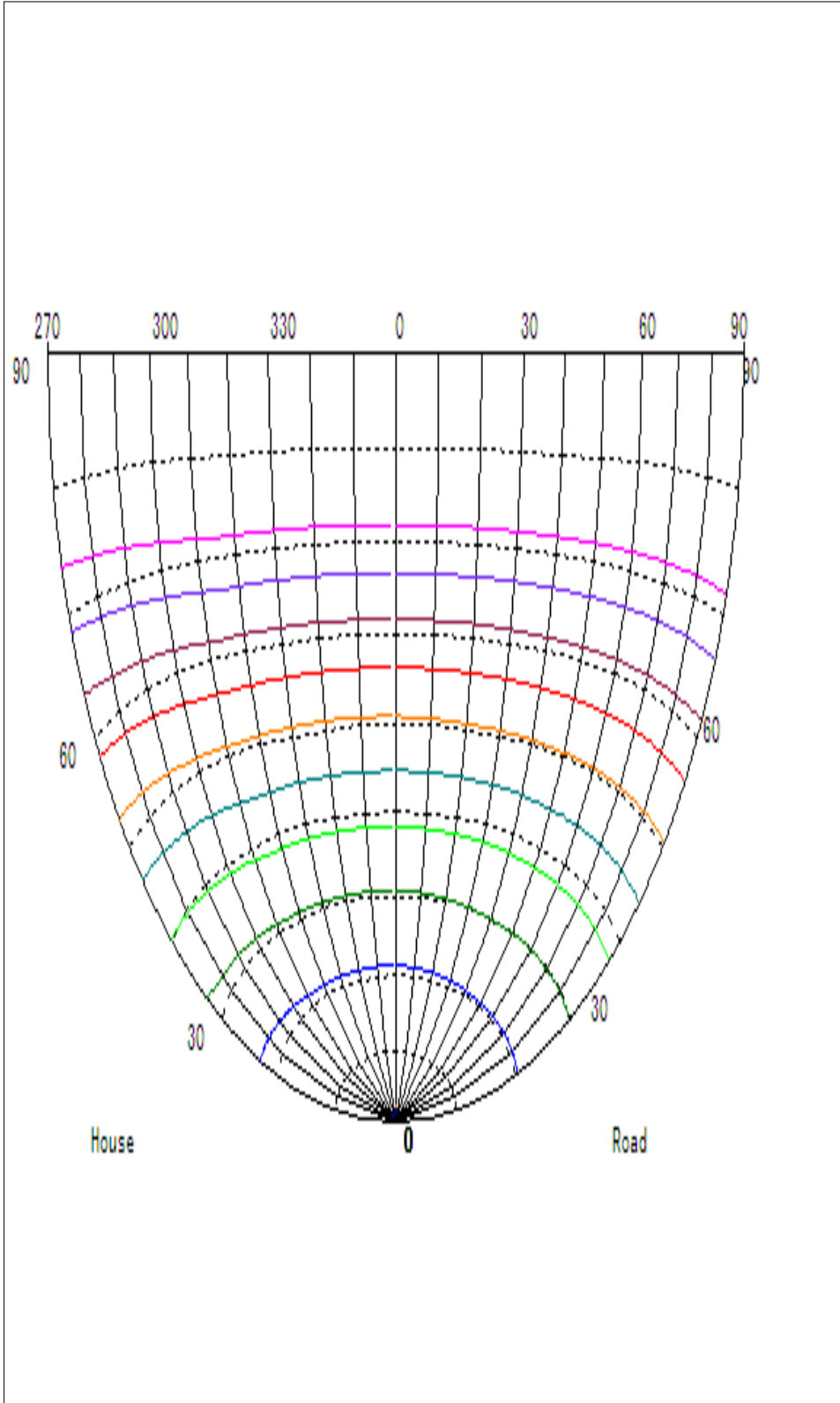
C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	180.75	0.00	0.00	0.00	0.00
1	180.94	0.17	0.17	0.04	0.04
2	180.77	0.52	0.69	0.12	0.16
3	180.35	0.86	1.56	0.20	0.35
4	180.48	1.21	2.76	0.28	0.63
5	179.85	1.55	4.31	0.35	0.98
6	179.44	1.89	6.20	0.43	1.41
7	178.88	2.22	8.43	0.51	1.92
8	178.51	2.56	10.98	0.58	2.50
9	177.88	2.89	13.87	0.66	3.16
10	177.00	3.21	17.08	0.73	3.89
11	176.56	3.53	20.62	0.80	4.70
12	175.12	3.84	24.46	0.88	5.57
13	174.65	4.15	28.61	0.95	6.52
14	173.41	4.46	33.07	1.01	7.53
15	172.16	4.74	37.81	1.08	8.61
16	171.43	5.03	42.85	1.15	9.76
17	169.65	5.31	48.16	1.21	10.97
18	168.92	5.58	53.74	1.27	12.24
19	167.50	5.85	59.59	1.33	13.57
20	166.38	6.11	65.70	1.39	14.97
21	165.04	6.36	72.07	1.45	16.41
22	163.04	6.59	78.66	1.50	17.92
23	161.61	6.81	85.47	1.55	19.47
24	159.86	7.03	92.50	1.60	21.07
25	158.11	7.23	99.73	1.65	22.72
26	156.28	7.42	107.15	1.69	24.41
27	154.11	7.59	114.75	1.73	26.14
28	152.50	7.76	122.51	1.77	27.90
29	150.16	7.92	130.43	1.80	29.71
30	147.97	8.05	138.48	1.83	31.54
31	145.97	8.18	146.66	1.86	33.40
32	143.81	8.30	154.96	1.89	35.29
33	142.20	8.43	163.38	1.92	37.21
34	139.13	8.51	171.90	1.94	39.15
35	136.88	8.57	180.47	1.95	41.11
36	134.64	8.65	189.11	1.97	43.07
37	132.08	8.70	197.81	1.98	45.06
38	129.90	8.74	206.56	1.99	47.05
39	127.30	8.78	215.34	2.00	49.05
40	124.45	8.78	224.12	2.00	51.05

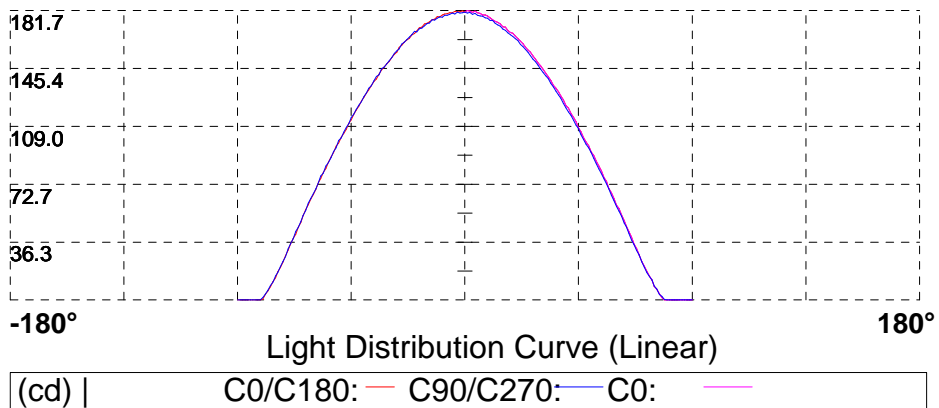
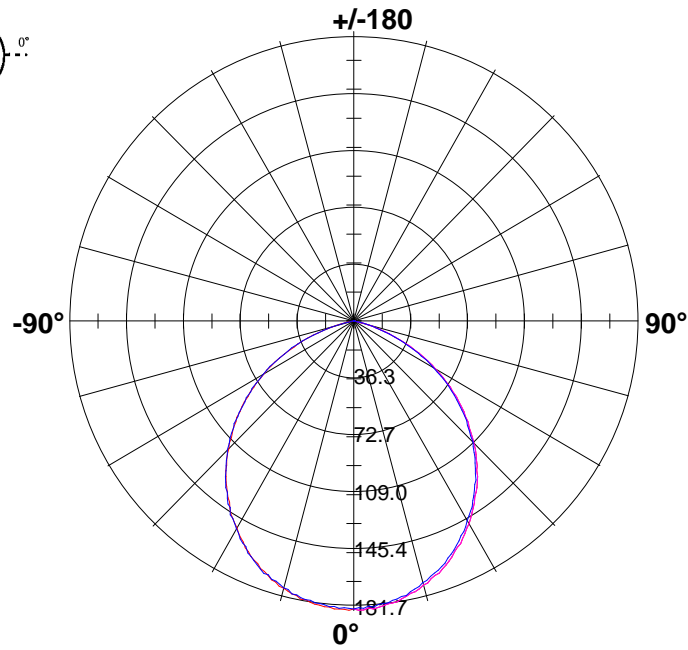
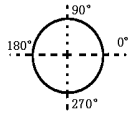
Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	121.98	8.78	232.89	2.00	53.05
42	119.22	8.76	241.65	2.00	55.04
43	116.58	8.73	250.39	1.99	57.03
44	113.62	8.69	259.08	1.98	59.01
45	110.83	8.63	267.70	1.96	60.97
46	107.73	8.55	276.25	1.95	62.92
47	104.56	8.44	284.69	1.92	64.84
48	101.68	8.34	293.03	1.90	66.74
49	99.14	8.25	301.28	1.88	68.62
50	95.97	8.13	309.41	1.85	70.47
51	92.92	7.99	317.40	1.82	72.30
52	89.55	7.83	325.23	1.78	74.08
53	86.36	7.65	332.89	1.74	75.82
54	83.28	7.48	340.36	1.70	77.52
55	79.87	7.28	347.65	1.66	79.18
56	76.76	7.08	354.72	1.61	80.80
57	73.49	6.87	361.59	1.56	82.36
58	70.14	6.64	368.24	1.51	83.87
59	66.40	6.38	374.62	1.45	85.33
60	62.82	6.10	380.72	1.39	86.72
61	60.07	5.86	386.59	1.34	88.05
62	56.62	5.62	392.21	1.28	89.33
63	52.78	5.32	397.53	1.21	90.55
64	49.58	5.02	402.55	1.14	91.69
65	45.65	4.71	407.27	1.07	92.76
66	42.15	4.38	411.65	1.00	93.76
67	38.58	4.06	415.71	0.92	94.69
68	35.15	3.73	419.44	0.85	95.54
69	31.81	3.42	422.86	0.78	96.31
70	27.86	3.06	425.92	0.70	97.01
71	24.23	2.69	428.61	0.61	97.63
72	20.79	2.34	430.96	0.53	98.16
73	17.78	2.02	432.97	0.46	98.62
74	15.03	1.72	434.70	0.39	99.01
75	11.59	1.41	436.10	0.32	99.33
76	9.13	1.10	437.20	0.25	99.58
77	6.26	0.82	438.02	0.19	99.77
78	3.96	0.55	438.57	0.12	99.89
79	1.88	0.31	438.89	0.07	99.96
80	0.49	0.13	439.01	0.03	99.99
81	0.00	0.03	439.04	0.01	100.00

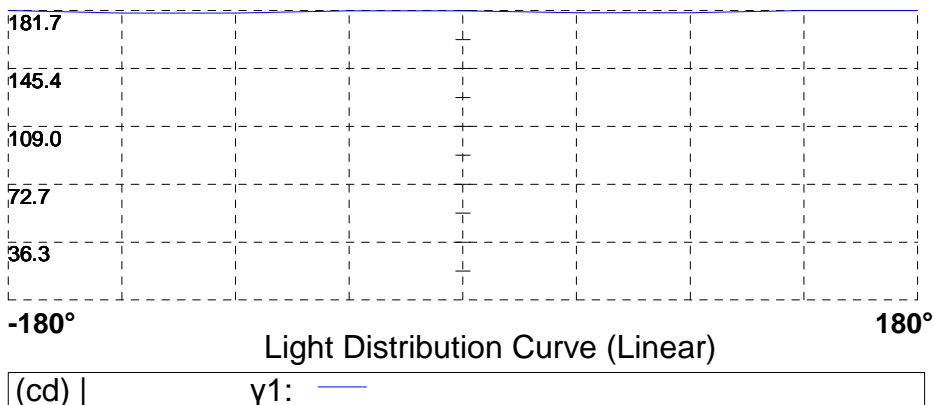
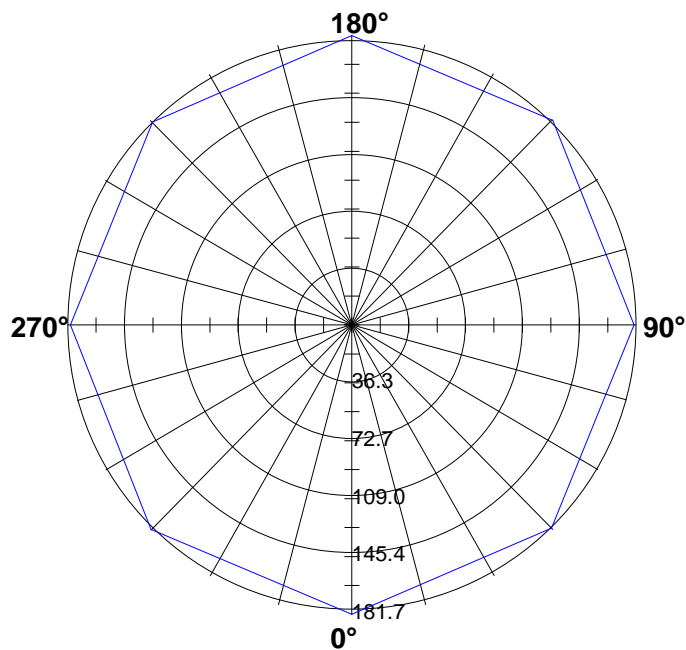


Light Distribution Curve [Unit: cd]

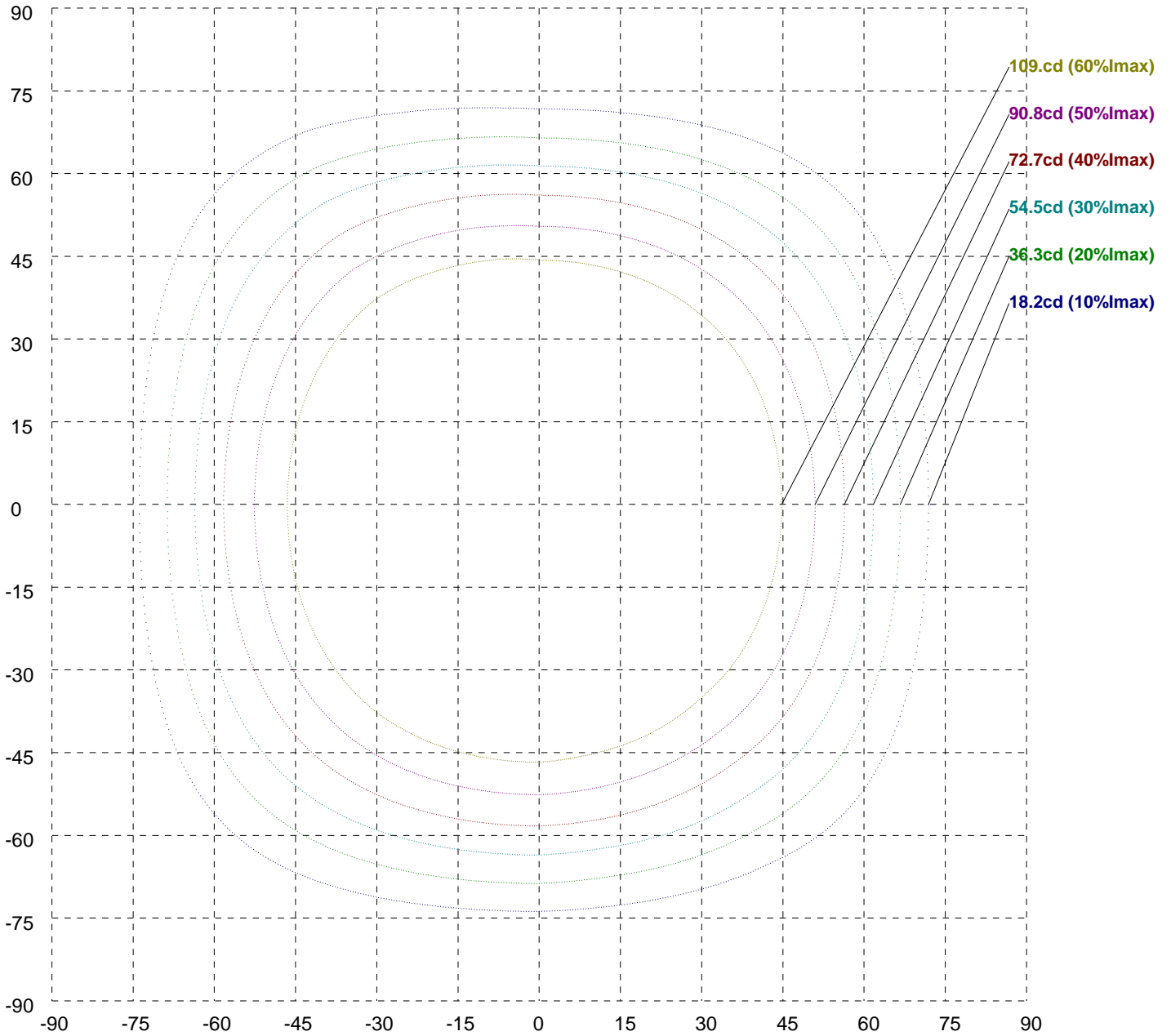
Luminaire



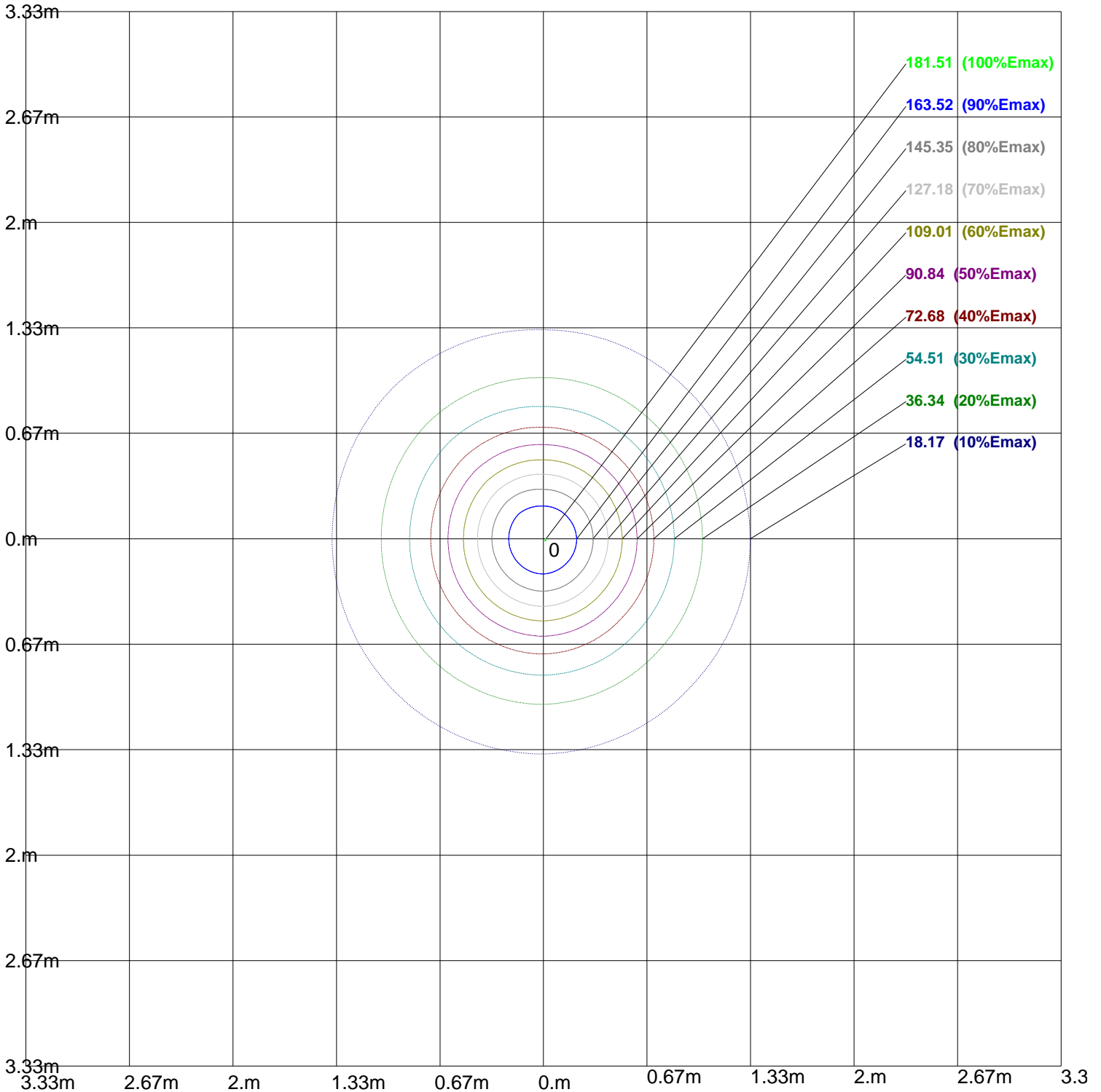
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 181.69lx

Luminance Limiting Curve

Diameter: 120mm

Length: mm

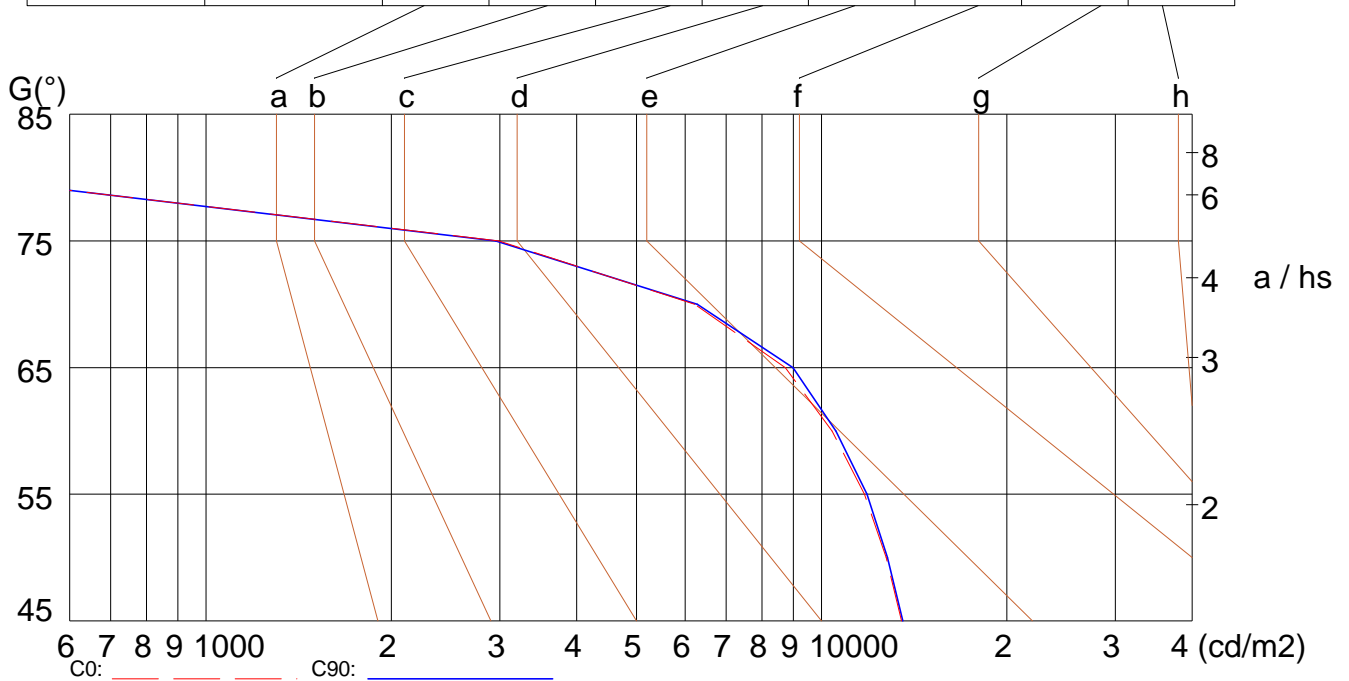
Width: 120mm

Height: 25mm

(cd/m²)

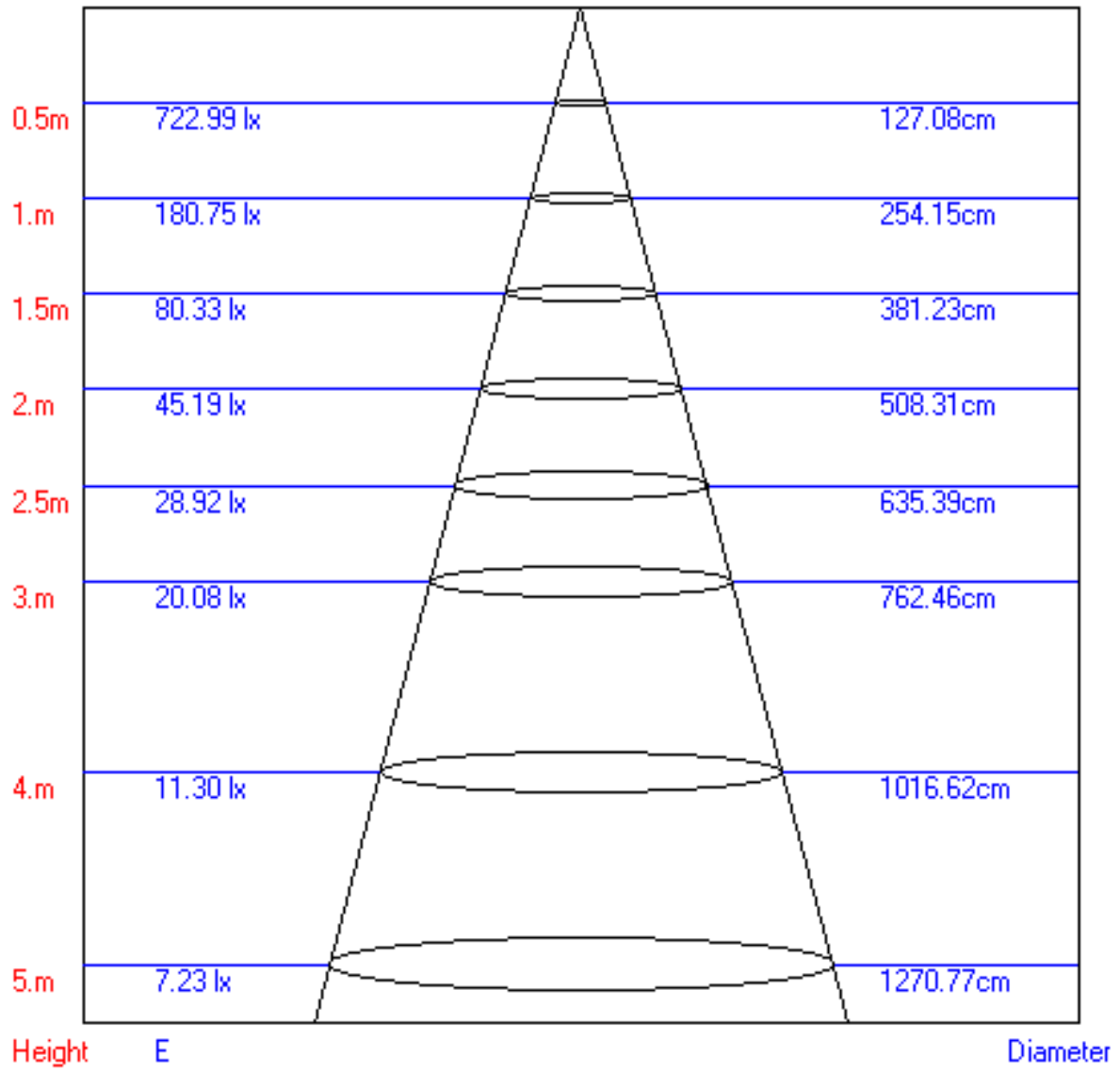
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	13481	12725	11745	10396	8725	6217	2989		
C90	13551	12789	11847	10550	8981	6283	2954		

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Lum. Limiting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:103.60°

Utilization Coefficient Table

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.06	1.05	1.06	1.05	1.03	1.02	1.00	0.99	0.97	0.95	0.94	0.91	0.89	0.87	0.82
2	0.93	0.91	0.89	0.92	0.90	0.88	0.90	0.87	0.84	0.86	0.83	0.80	0.81	0.78	0.74	0.70
3	0.81	0.78	0.77	0.81	0.77	0.75	0.79	0.75	0.72	0.76	0.72	0.68	0.73	0.68	0.64	0.60
4	0.71	0.68	0.66	0.71	0.67	0.65	0.70	0.65	0.62	0.68	0.63	0.59	0.66	0.60	0.56	0.52
5	0.62	0.59	0.58	0.62	0.59	0.57	0.62	0.58	0.54	0.61	0.56	0.52	0.60	0.54	0.49	0.45
6	0.55	0.52	0.51	0.56	0.52	0.50	0.56	0.51	0.48	0.55	0.50	0.46	0.54	0.48	0.43	0.40
7	0.49	0.47	0.45	0.50	0.46	0.44	0.51	0.46	0.42	0.50	0.45	0.41	0.50	0.43	0.38	0.35
8	0.44	0.42	0.40	0.45	0.42	0.40	0.46	0.41	0.38	0.46	0.41	0.36	0.46	0.40	0.35	0.31
9	0.40	0.38	0.36	0.41	0.38	0.36	0.42	0.37	0.34	0.43	0.37	0.33	0.43	0.36	0.31	0.28
10	0.37	0.34	0.33	0.37	0.34	0.32	0.39	0.34	0.31	0.39	0.34	0.30	0.40	0.33	0.29	0.26

